

City of Lincoln's StarTran Automated Vehicle Location System

Project Update

The StarTran Automatic Vehicle Location (AVL) project continues to progress. The project started with meetings with the stakeholders in the project, which resulted in a published Concept of Operations (ConOps) for the system. The ConOps identified key functionality for the planned improvements including the AVL hardware and software, automated passenger counting systems, and on-board annunciation systems to meet ADA requirements.

Based on the ConOps, a System Architecture Analysis was prepared. The analysis evaluated how the requirements could be met, what hardware and software modules would be required, and how the system would be integrated into existing StarTran operations and systems.

The analysis was followed with a detailed System Requirements document which defined the software functionality and the hardware, communications, and network constraints for implementing the system. The requirements also covered the training, documentation, support, and maintenance services required to implement the system.

After the requirements were reviewed and approved, a Procurement Specification was prepared. The procurement specification includes the requirements from the Requirements Specification, and adds requirements for how the contractor must manage the project, submittals required, and the inspection and testing of the system. The City of Lincoln is currently merging the procurement specification with their standard procurement terms and conditions, proposal requirements, and other standard procurement information in preparation for issuing the procurement specifications for bid.

The bid will be advertised later this summer. After proposals are received, Mixon Hill will assist StarTran and the City with an evaluation of the bids to determine the best submission from cost, capability, and value standpoints. The selected vendor will be invited to negotiate a final contract with the City. Following the contract award, there will be a series of meetings with the contractor to review and finalize the detailed design for the systems that will be provided. The contractor will have about 11 months from contract award to deliver all of the hardware and software. During this time, the contractor will also provide training to the StarTran staff.

